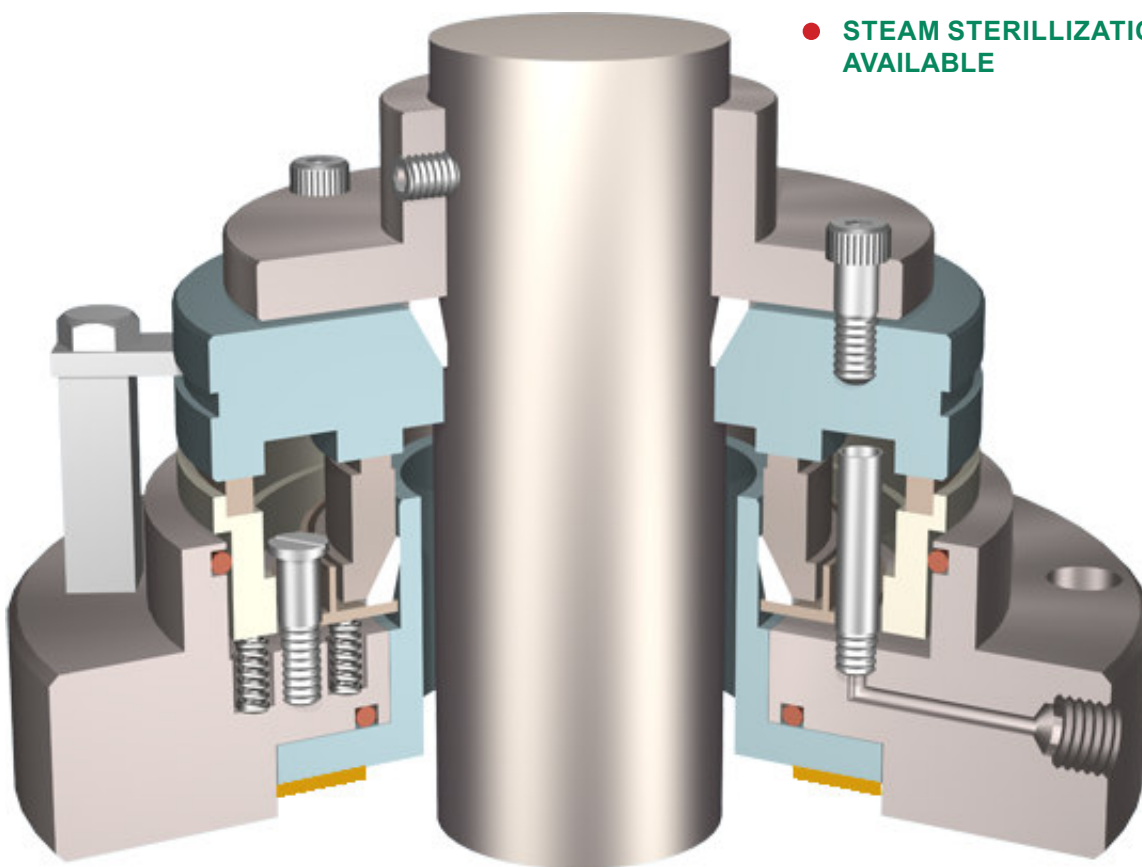


HCAx

DOUBLE COAXIAL SEAL

- FOR QUICK CONVERSION FROM GLAND PACKING
- FOR WORN-OUT SHAFTS
- CAN TOLERATE 3.8mm SHAFT RUNOUT / ECCENTRICITY & OUT OF SQUARE PAD FLANGE
- LOW HEAD ROOM REQUIRED
- CAN BE EASILY ADOPTED TO FIT ON ANY EXISTING PAD FLANGE
- STEAM STERILIZATION OPTION AVAILABLE

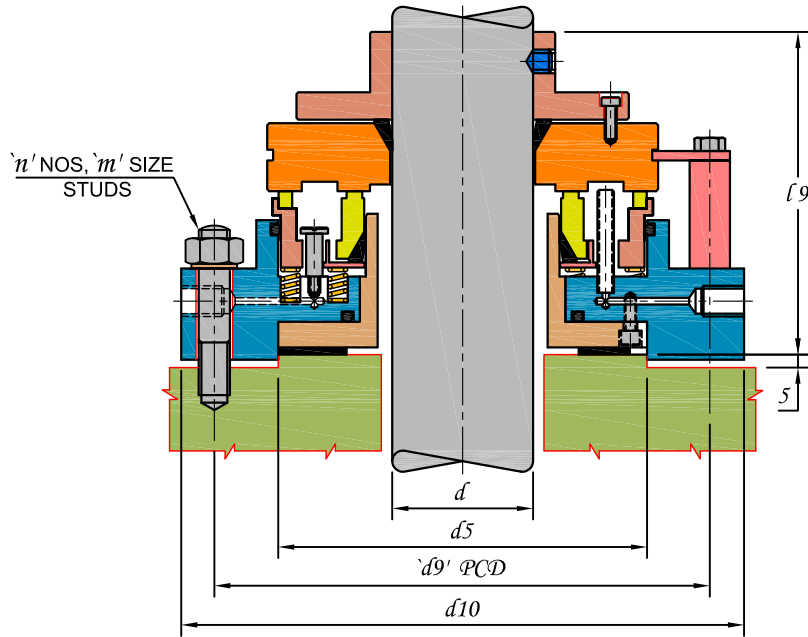


APPLICATIONS :

- GLAND PACKED REACTORS
- FERMENTORS
- GLASS LINED REACTORS

HCAx seals are Double Coaxial seals which require very low head room and can tolerate large shaft run-outs. They are also used as retrofit seals for quick conversion of gland packing on reactors handling toxic and hazardous media.

INSTALLATION DIMENSIONS



| d | $d5$ | $d9$ PCD | $d10$ | $l9$ | m | n |
|-------|--------|----------|-------|-------|-----|-----|
| 25.0 | 104.77 | 140.0 | 178.0 | 95.0 | M16 | 4 |
| 30.0 | 104.77 | 140.0 | 178.0 | 95.0 | M16 | 4 |
| 35.0 | 104.77 | 140.0 | 178.0 | 95.0 | M16 | 4 |
| 40.0 | 104.77 | 140.0 | 178.0 | 95.0 | M16 | 4 |
| 45.0 | 104.77 | 140.0 | 178.0 | 100.0 | M16 | 4 |
| 50.0 | 127.00 | 152.4 | 190.0 | 100.0 | M16 | 4 |
| 55.0 | 127.00 | 152.4 | 190.0 | 100.0 | M16 | 4 |
| 60.0 | 127.00 | 152.4 | 190.0 | 100.0 | M16 | 4 |
| 65.0 | 139.70 | 178.0 | 216.0 | 103.0 | M16 | 8 |
| 70.0 | 157.16 | 190.0 | 225.0 | 103.0 | M16 | 8 |
| 75.0 | 157.16 | 190.0 | 225.0 | 103.0 | M16 | 8 |
| 80.0 | 157.16 | 190.0 | 225.0 | 103.0 | M16 | 8 |
| 85.0 | 157.16 | 190.0 | 225.0 | 103.0 | M16 | 8 |
| 90.0 | 185.74 | 216.0 | 254.0 | 105.0 | M20 | 8 |
| 95.0 | 185.74 | 216.0 | 254.0 | 105.0 | M20 | 8 |
| 100.0 | 185.74 | 216.0 | 254.0 | 105.0 | M20 | 8 |
| 105.0 | 215.90 | 241.0 | 279.0 | 105.0 | M20 | 8 |
| 110.0 | 215.90 | 241.0 | 279.0 | 105.0 | M20 | 8 |
| 115.0 | 269.87 | 299.0 | 343.0 | 110.0 | M20 | 8 |

DIMENSIONS FOR HIGHER SIZES AVAILABLE ON REQUEST

LIMITING PARAMETERS

| |
|-----------------------|
| PRESSURE |
| FULL VACUUM TO 16 BAR |

| |
|----------------|
| TEMPERATURE |
| -20°C TO 180°C |

| |
|---------|
| SPEED |
| 2 m/sec |

MATERIALS

| |
|-----------------------------|
| METAL PARTS |
| SS316 HAST-C ALLOY-20 |

| | |
|------------|------------|
| SEAL FACES | |
| ROTARY | STATIONARY |
| HIFALLOY | CARBON |
| SIC | |
| HAST-C | |

| |
|--|
| ELASTOMERS |
| VITON, EPR PTFE, GFT AFLAS, FFKM |

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